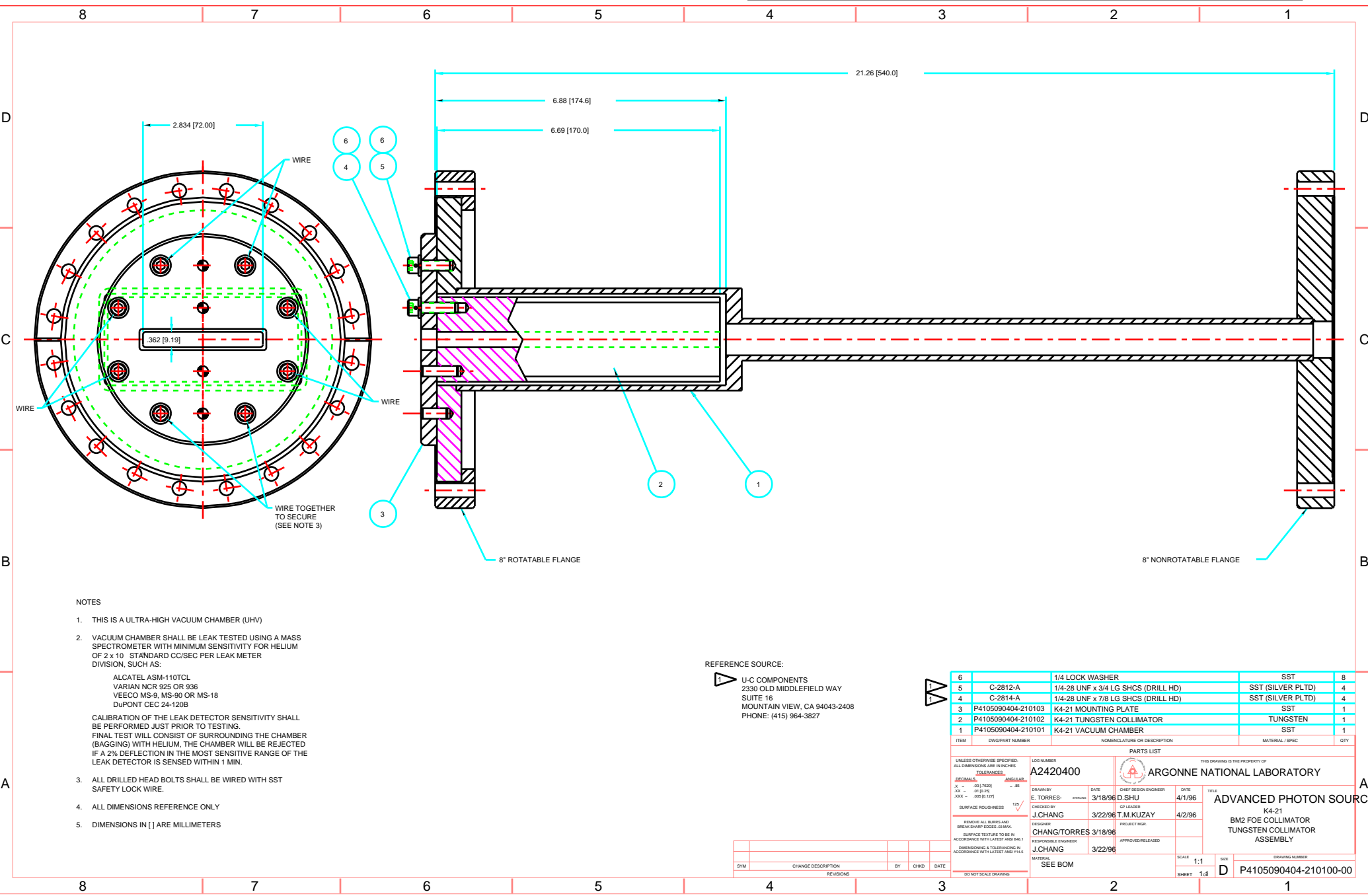


(P)	PLOT SCALE: 1=1	DWG. SCALE: 1	S08884
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- NOTES
- THIS IS A ULTRA-HIGH VACUUM CHAMBER (UHV)
 - VACUUM CHAMBER SHALL BE LEAK TESTED USING A MASS SPECTROMETER WITH MINIMUM SENSITIVITY FOR HELIUM OF 2×10^{-10} STANDARD CC/SEC PER LEAK METER DIVISION, SUCH AS:
ALCATEL ASM-110TCL
VARIAN NCR 925 OR 936
VEECO MS-9, MS-90 OR MS-18
DuPONT CEC 24-120B
CALIBRATION OF THE LEAK DETECTOR SENSITIVITY SHALL BE PERFORMED JUST PRIOR TO TESTING.
FINAL TEST WILL CONSIST OF SURROUNDING THE CHAMBER (BAGGING) WITH HELIUM, THE CHAMBER WILL BE REJECTED IF A 2% DEFLECTION IN THE MOST SENSITIVE RANGE OF THE LEAK DETECTOR IS SENSED WITHIN 1 MIN.
 - ALL DRILLED HEAD BOLTS SHALL BE WIRED WITH SST SAFETY LOCK WIRE.
 - ALL DIMENSIONS REFERENCE ONLY
 - DIMENSIONS IN [] ARE MILLIMETERS

REFERENCE SOURCE:
U-C COMPONENTS
2330 OLD MIDDLEFIELD WAY
SUITE 16
MOUNTAIN VIEW, CA 94043-2408
PHONE: (415) 964-3827

6	C-2812-A	1/4 LOCK WASHER	SST	8
5	C-2814-A	1/4-28 UNF x 3/4 LG SHCS (DRILL HD)	SST (SILVER PLTD)	4
4	C-2814-A	1/4-28 UNF x 7/8 LG SHCS (DRILL HD)	SST (SILVER PLTD)	4
3	P4105090404-210103	K4-21 MOUNTING PLATE	SST	1
2	P4105090404-210102	K4-21 TUNGSTEN COLLIMATOR	TUNGSTEN	1
1	P4105090404-210101	K4-21 VACUUM CHAMBER	SST	1

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
PARTS LIST				
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONS DECIMALS ANGULARS X .XX .00125 .01 .015 XX .XX .005 (1:12)				
SURFACE ROUGHNESS 125				
REMOVE ALL BURRS AND BREAK SHARP EDGES (R.004)				
SURFACE TEXTURE TO BE IN ACCORDANCE WITH MIL-STD-199B-1				
DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5				
DO NOT SCALE DRAWING				

LOG NUMBER A2420400	DATE 3/18/96	CHIEF DESIGN ENGINEER D.S.HU	DATE 4/1/96	TITLE ADVANCED PHOTON SOURCE
DRAWN BY E. TORRES	DESIGNED BY J. CHANG	PROJECT MGR. T.M. KUZAY	APPROVED/RELEASED	
MATERIAL SEE BOM				
SCALE 1:1				
SHEET 1 of 1				
DRAWING NUMBER P4105090404-210100-00				